Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/08/2021 09:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125175	0	2.53	124995	2.61
Blue	F	SSC	125000	125919	0	4.42	126149	4.41
Blue	E	FITC	14400	14032	-3	3.13	321	15.68
Blue	D	PE	24713	24611	-1	2.61	562	10.83
Blue	B	PerCP-Cy5-5	31796	31312	-2	3.90	1036	14.81
Blue	A	PE-Cy7	21240	21171	-1	5.80	564	29.43
Red	C	APC	41319	40828	-2	3.47	1707	11.33
Red	A	APC-Cy7	21019	20613	-2	3.77	772	11.49
Violet	B	V450	7305	7026	-4	4.22	437	11.96
Violet	A	V500	28652	27438	-5	3.81	687	9.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23191	2.41	569	0	N/A	N/A	Pass
Blue	F	SSC	58539	2.71	521	9	N/A	N/A	Pass
Blue	E	FITC	58	54.24	494	3	0.0407	51	Pass
Blue	D	PE	119	37.06	492	5	0.4509	358	Pass
Blue	B	PerCP-Cy5-5	192	35.97	587	3	0.0196	62	Pass
Blue	A	PE-Cy7	112	69.44	634	4	0.0219	4	Pass
Red	C	APC	395	22.91	574	1	0.0287	109	Pass
Red	A	APC-Cy7	173	26.58	544	-1	0.0067	961	Pass
Violet	B	V450	59	60.89	452	-4	0.0732	2495	Pass
Violet	A	V500	98	32.23	465	-5	0.0283	655	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.66	-31.53	1.07
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	19.81	15.99 - 23.99	N/A	N/A	29.98	30.22	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11010

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments